

CA6221D-30-10

Capacitance and $\tan\delta$ Standard



Capacitance and $\tan\delta$ Standard **CA6221D-30-10** is designed for High Voltage Capacitance Bridge and insulation testers calibration.

It can be applied for traceability of electric capacitance and $\tan\delta$ values.

FEATURES AND BENEFITS

- High accuracy
- Operating voltage up to 12 kV, 50 Hz
- Nominal $\tan\delta$: 0, $1 \cdot 10^{-4}$, $1 \cdot 10^{-3}$, $1 \cdot 10^{-2}$, $1 \cdot 10^{-1}$
- Nominal capacitance: 2...30 pF
- High stability in the range of operating temperatures
- Built-in platinum resistive temperature sensor PT100 to provide temperature correction of Standards capacitance

APPLICATIONS

- Calibration laboratories
- Metrology Institutes

TECHNICAL SPECIFICATIONS

Name	Value
Nominal Capacitance	2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30 pF
Capacitance accuracy	± 0,05 %
Nominal tanδ*	0, 1·10 ⁻⁴ , 1·10 ⁻³ , 1·10 ⁻² , 1·10 ⁻¹
tanδ accuracy	± (3·10 ⁻⁵ + 0,002·tgδ)
Limits of allowable relative change of capacitance depending on the applied voltage in the range 1...12 kV	± 0,05 %
Limits of allowable absolute change of tanδ depending on the applied voltage in the range 1...12 kV	± 3·10 ⁻⁵
Voltage	12 kV
Frequency	50 Hz

*Nominal values, exact values will be within 10 % difference and delivered in the passport

Operating conditions:

Temperature range
Relative Humidity

15...30 °C
up to 80 % non-condensing

Size (DxWxH), max



175 × 250 × 85 mm

Weight, max

2,7 kg

ORDERING INFORMATION

Scope of supply

No	Item Name	Part no.	
1	Capacitance and tanδ Standard CA6221D-30-10	411439.018	
2	Extension	723111.001	
3	Operating manual	411634.037 OM	
4	Package bag	323382.041	

OLTEST LLC

Development and production
of measurement devices

POSTAL ADDRESS

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